Important instructions for:

Winchester Muzzleloading Rifles

A licensed brand of:
Blackpowder Products, Inc.
5988 Peachtree Corners East
Norcross, GA 30071
Winchester(R) is a trademark used under a license by Blackpowder Products, Inc.

Use the space below to record information about your new Winchester Muzzleloader:

Model _____

Caliber _____

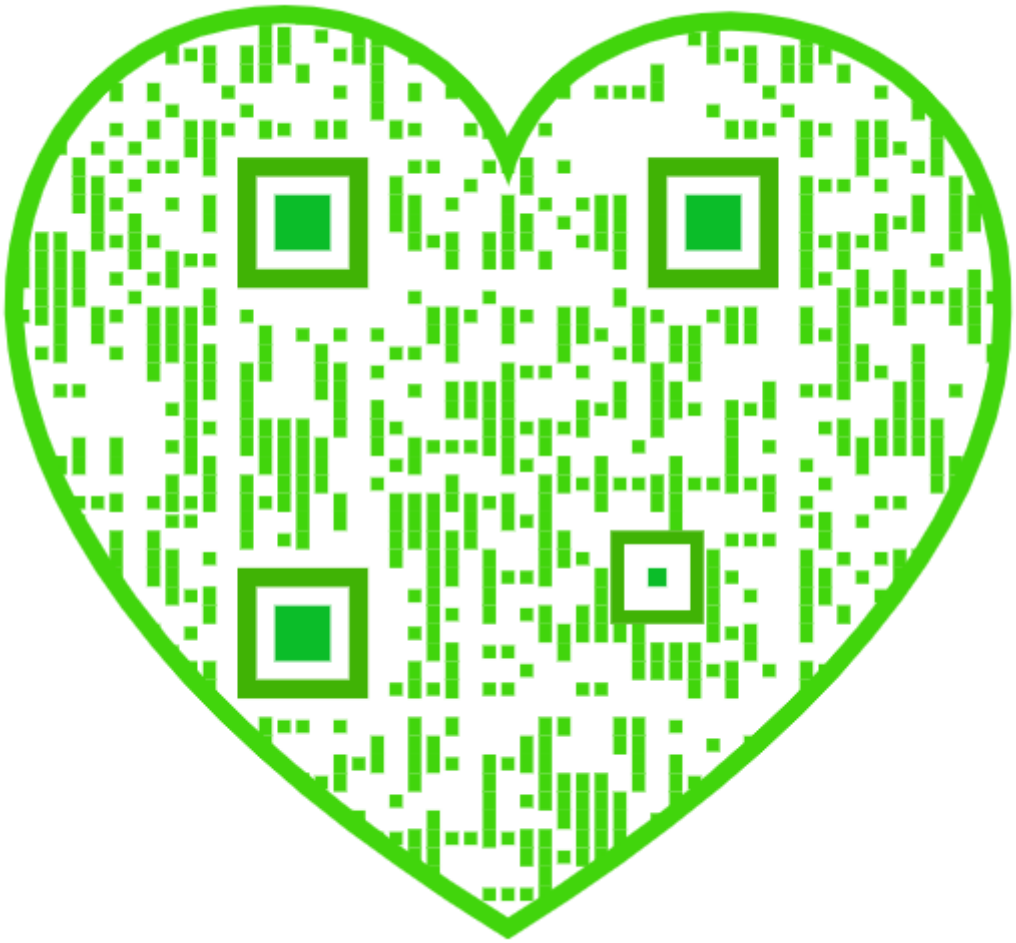
Serial Number _____

Purchased From _____

Date of Purchase _____

We sincerely hope that you are pleased with your new Winchester muzzleloader. We at Winchester Muzzleloading thank you for the privilege of crafting this muzzleloader for you. We are especially proud of the many years of enjoyment it is certain to provide you and your family. Winchester Muzzleloading is part of the over 130 year-old tradition of producing quality firearms for the world's sportsmen and women. Quality of manufacture, design, craftsmanship and function are of utmost concern to us. We believe you'll find that your new Winchester muzzleloader meets the Winchester tradition of quality in every way. If you have any questions or comments regarding your new muzzleloader, please feel free to write to our administrative offices:

Customer Service Department
Winchester Muzzleloading
c/o Blackpowder Products, Inc.
5988 Peachtree Corners East
Norcross, GA 30071
1-877-892-7544



Contents Page

Introduction to Safety 3

General Description 4

Removal and Installation of Bolt Assembly 5

Bolt Action Disassembly/Assembly 6

General Cleaning and Maintenance 7

Field Cleaning Procedures 8

Operation of the Safety 9

Loading Procedures 9

Sight Adjustment 10

Ordering Parts 11

Service or Repair 12

WinchesterMuzzleloading.com 12

Limited Lifetime Warranty 12

WINCHESTER MUZZLELOADING

This owner's manual is intended to familiarize you with the basic understanding of muzzleloading and your new Winchester muzzleloader. It is important to take the time to read and understand the information contained in this manual.

CAUTION! DO NOT ATTEMPT TO LOAD OR FIRE YOUR MUZZLELOADER UNTIL YOU HAVE READ AND UNDERSTAND THE INFORMATION DESCRIBED HEREIN.

WARNING! NEVER USE MODERN SMOKELESS POWDER IN A MUZZLELOADER. THE USE OF ANY AMOUNT OF SMOKELESS POWDER IN A MUZZLELOADER WILL CREATE DANGEROUSLY HIGH PRESSURES UPON IGNITION AND MAY RESULT IN INJURY OR DEATH TO THE SHOOTER AND/OR BYSTANDERS. ANY EVIDENCE OF THE USE OF SMOKELESS POWDER WILL VOID ANY AND ALL MANUFACTURER'S WARRANTIES.

INTRODUCTION TO SAFETY

TEN COMMANDMENTS OF FIREARM SAFETY

1. Keep the gun's muzzle pointed in a safe direction and never pull it towards you by the muzzle.
2. Be sure of your target and what is beyond.
3. Never rely on a gun's mechanical "safety."
4. Gun should be kept unloaded until ready to use.
5. Always wear eye and ear protection.
6. The barrel should be clear of all obstructions before shooting.
7. Handle every gun as if it is loaded.
8. Keep guns and ammo separate and in locked storage.
9. Avoid alcohol and drugs before and during use of a firearm.
10. Do not alter or modify your firearm. Have your firearm regularly checked by a competent gunsmith to ensure all parts are working properly.

SAFETY CONSIDERATIONS UNIQUE TO MUZZLELOADERS

1. Never smoke when shooting or handling a muzzleloader. Ashes or loose sparks could ignite powder.
2. Never pour powder into a muzzleloader directly from a flask, horn, or any large volume, enclosed container. Hot embers in the barrel could cause container to explode.
3. Always keep powder and percussion caps well away from shooting area. Sparks from shooting could cause accidental ignition of these devices.
4. Use only Blackpowder, Pyrodex or Pyrodex pellets, Clean shot or Clean Shot Powder Pelletized or other approved blackpowder substitute in your Winchester muzzleloader. (Never use modern smokeless powder in a muzzleloader.)
5. Always check to ensure that your muzzleloader is in proper working condition before using. Thoroughly check barrel for obstructions, and inspect the bolt and safety for proper function.
6. Never prime the muzzleloader until you are ready to fire. Primer cap should always be removed when walking, climbing trees or fences, transferring the gun from one person to another, leaving the gun unattended, etc.
7. Never lean or rest a loaded muzzleloader against a tree, wall, vehicle or other surface. Any fall of a loaded gun may cause accidental discharge.
8. Never transport a loaded muzzleloader in any type of vehicle. A muzzleloader is considered loaded until powder, bullet, and primer cap have been removed.
9. Never exchange a loaded muzzleloader with another person. Only the person who loaded the muzzleloader should fire it. This practice will help prevent overloading or doubleloading a charge.
10. Never store a loaded muzzleloader. Muzzleloaders

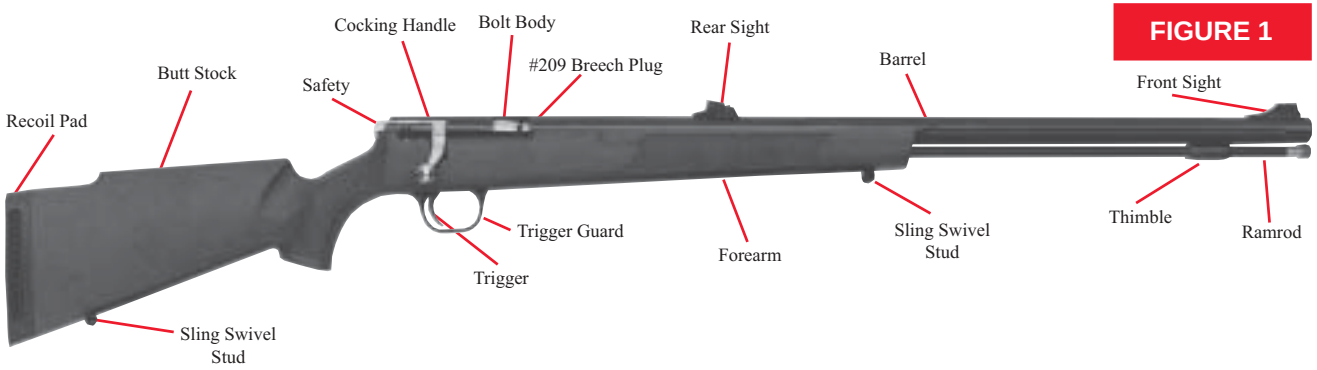


FIGURE 1

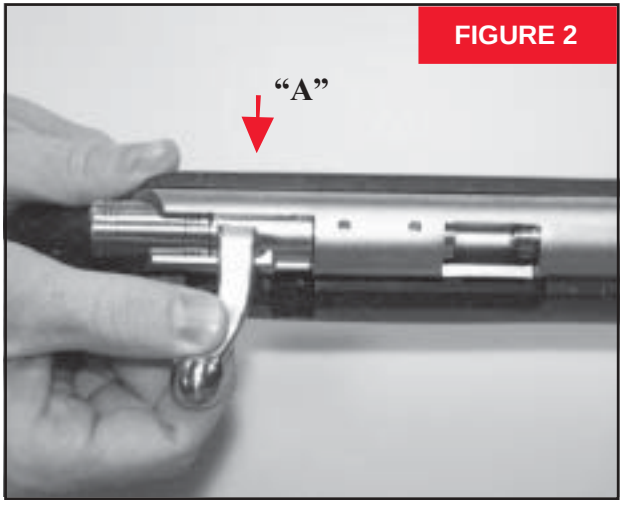
should be unloaded and properly cleaned prior to storage.

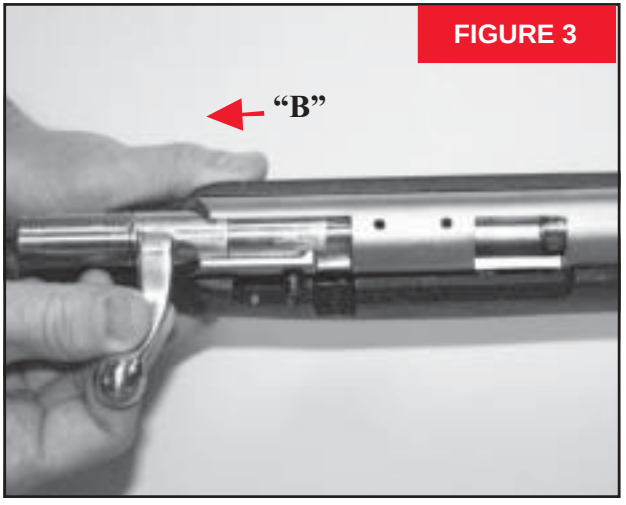
11. Never load a muzzleloader until first verifying that it is unloaded.
12. Never allow the bolt of a muzzleloader to rest against the primer cap. Any impact to the bolt could cause accidental discharge.
13. Never rely on a mechanical safety. Muzzleloaders should be handled as if ready to fire, regardless of the safety system employed.
14. Always use proper cleaning procedures. Firing improperly maintained muzzleloaders may lead to unsafe barrel pressures resulting in severe injury or death.
15. Always make sure that the projectile is firmly seated against the powder charge. "Short starting" of the projectile could cause the gun to explode.
16. Always keep the muzzle of the gun pointed in a safe direction while loading. Never lean over or place any part of the body over the muzzle.

GENERAL DESCRIPTION

Your Winchester muzzleloader is one of a number of different configurations offered. However, the basic features and operation procedures are the same for all models. Before continuing with the manual, you must become familiar with your rifle's components.

Please refer to Figure 1 for the general parts description of your new muzzleloader.





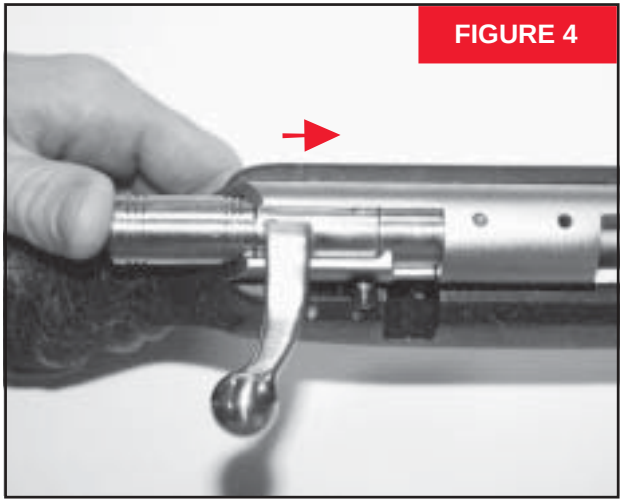
REMOVAL AND INSTALLATION OF BOLT ASSEMBLY FROM THE RECEIVER

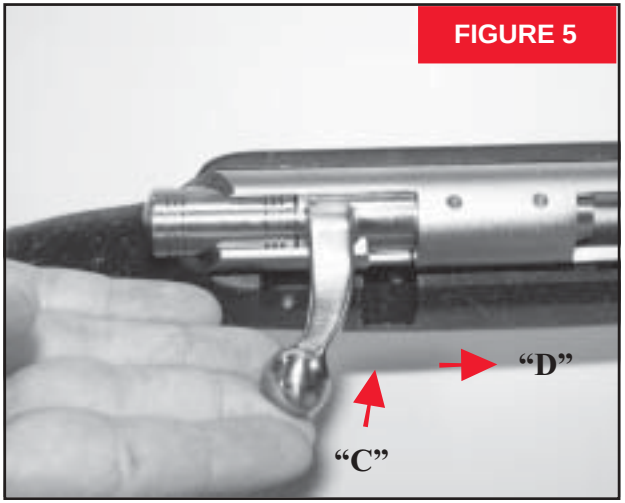
Note: Verify that gun is unloaded before beginning this procedure by placing the ramrod down the barrel until it touches the breech plug. If gun is unloaded, the end of the ramrod should be flush with the crown of the muzzle. If rod extends beyond the crown of the muzzle, assume the rifle is loaded and that it should be unloaded before proceeding.

BOLT REMOVAL

1. Cycle the Bolt Handle to the open and back position. Then, as per arrow “A”, press down on the bolt handle (Figure 2).

2. Maintaining downward pressure on the bolt handle (as described in step 1), pull the bolt assembly rearward, as per arrow “B” in Figure 3. The entire bolt assembly will now pull free from the receiver.





INSTALLATION OF BOLT

1. With the Bolt Assembly in the cocked position, align the bolt assembly in the same position as when removed in Figure 3. Using the thumb, push forward on the Bolt Cap, past the initial resistance, until the Bolt Assembly stops (Figure 4).
2. Cycle the Bolt Handle up, as per arrow "C", then forward, as per arrow "D" (Figure 5).

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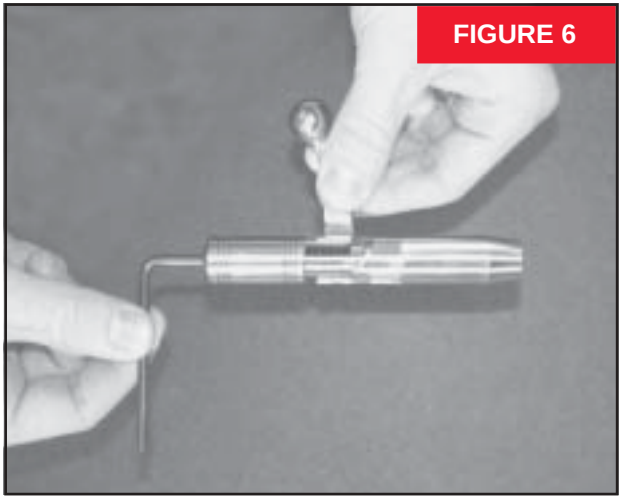
BOLT ACTION DISASSEMBLY/ASSEMBLY

Some metal parts of your new Winchester muzzleloader have been coated at the factory with a rust preventative oil. It is extremely important to thoroughly clean all metal parts before using.

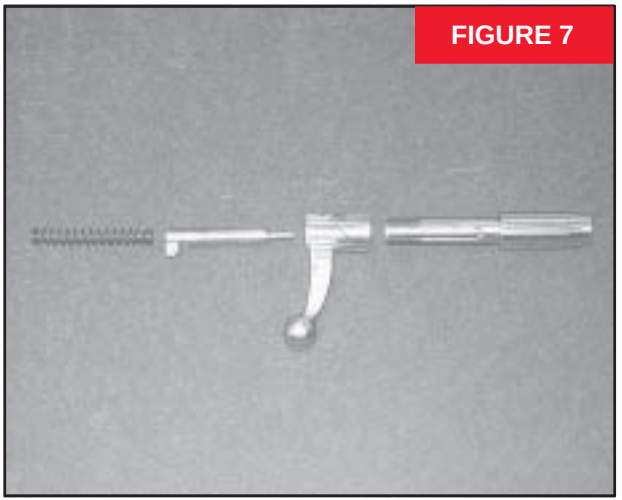
Note: The Bolt Assembly must be removed before beginning this process. See previous section for removal instructions.

1. Using the allen wrench provided, unscrew the bolt cap by turning counterclockwise. The spring, striker,



bolt handle, and bolt body will now come apart (Figure 6).

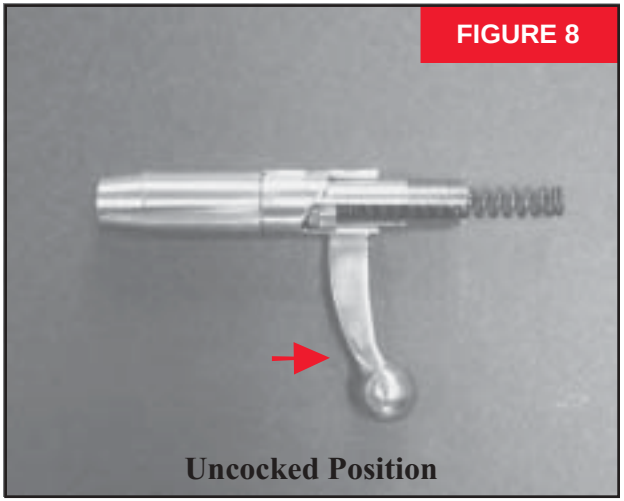
2. Clean all bolt parts thoroughly, dry all parts, then lubricate with a non-petroleum based gun oil.
3. Reassemble bolt body, bolt handle, striker, and spring (Figure 7).
4. Move bolt to the uncocked position (Figure 8).
5. Place the bolt cap back over the spring. While pressing the spring downward, screw the bolt cap on to the bolt body.
6. Holding the bolt cap securely with the allen wrench, **twist the bolt handle counter clockwise to the cocked position.**



7. Return bolt to receiver as described in Installation of Bolt Section.

GENERAL CLEANING AND MAINTENANCE

Note: Verify that gun is unloaded before beginning this procedure by placing the ramrod down the barrel until it touches the breech plug. If gun is unloaded, the end of the ramrod should be flush with the crown of the muzzle. If rod extends beyond the crown of the muzzle, assume the rifle is loaded and that it should be unloaded before proceeding.



1. Verify that gun is unloaded.
2. Remove bolt from gun.
3. Insert the slotted end of the breech plug tool (provided) into the receiver to engage the breech plug. Turn counterclockwise to remove.
4. Using a cleaning brush and solvent, thoroughly clean breech plug of all rust preventative oils. Then clear fire channel of all fouling, grease, etc. using Winchester Breech Plug Pick (WA0008). **Important**: Lubricate breech plug threads with Winchester Muzzleloading Anti-Seize Grease before reinstalling.
5. With the allen wrench (provided), loosen and remove the two retention hex screws from the underside of the stock.
6. With the two hex screws removed, you will now be able to separate the stock from the barrel.
7. Remove the trigger mounting screws and lift the one-piece trigger from the receiver. Note: For a light field cleaning this process is not necessary.
8. Attach the cleaning jag (provided) to the ramrod. Swab the barrel with patches and cleaning solvent until all residue has been removed. For best results, use a range or cleaning rod that allows greater clearance from the muzzle.
9. Clean the breech area, including receiver threads, with a Winchester Muzzleloading breech brush and barrel cleaning solvent.
10. Dry all parts thoroughly, including the inside and outside of the barrel, and spray with a light coating of gun oil.
11. Reassemble the gun components in reverse order.

Note: Always store your muzzleloader unloaded and in a cool dry place.

FIELD CLEANING PROCEDURES

1. Verify that gun is unloaded.
2. Remove ramrod from gun.
3. Cycle the bolt to the open position.
4. Attach the cleaning jag (provided) to the ramrod.

5. Swab the barrel with a patch and cleaning solvent. Repeat process 2 to 3 times.
6. Swab barrel with a dry patch to remove any moisture.

OPERATION OF THE SAFETY

The safety can only be operated when the bolt is cocked. To cock the bolt, lift the bolt handle up and then return it to the locked position.

1. **Safe Position—** This is when the safety is drawn to the most rearward position. The safe position is indicated by a green dot.
2. **Firing Position—**With the safety pushed fully forward, the rifle is ready to fire. The firing position is indicated by a red dot.

The safety mechanism—when it is engaged—is designed to block the trigger to prevent firing. However, this mechanism will not necessarily prevent the accidental discharge of this firearm as a result of jarring or abuse.

NOTE: A secondary safety measure is to keep the bolt handle in the open position.

LOADING PROCEDURE

Note: Before loading your muzzleloader it is important to remove all oils from the barrel. Failure to do so can result in a misfire.

Warning: Always wear safety glasses and ear protection to protect yourself from sparks, fragmented caps, powder debris, and/or hearing loss.

1. Verify that gun is unloaded.
2. Swab a dry (no solvent) patch down the muzzle to remove any gun oil.
3. With gun pointed in a safe direction, place a #209 primer into the breech plug, or percussion cap on the nipple (if so equipped).
4. Release the thumb safety and fire primer to ensure bore and breech plug are dry of solvent or moisture. Repeat two or three times. Never dry fire a Winchester muzzleloader. Doing so will damage the bolt assembly and will not be covered under warranty.
5. Place thumb safety in the safe position and set the recoil pad on the ground.
6. With the muzzle pointed “up” and away from the loader’s body, pour a measured charge or drop the correct number of pelletized powder down the barrel (see suitable charges—Table 1).

Note: All Winchester muzzleloaders are rated to shoot a maximum of 150 grain equivalent of Pyrodex pellets or Clean Shot Powder Pelletized. The maximum recommended loose powder (black powder, Pyrodex, Clean Shot, or Clear Shot) is 100 grains.

The ONLY *approved* propellants for Winchester muzzleloaders are as follows;

A. Authentic FFG black powder
B. Pyrodex brand black powder substitute (RS) and Pyrodex Pellets
C. Clean Shot brand black powder substitute and Pelletized Powder.
D. Clear Shot brand black powder substitute

TABLE 1

	.45 Caliber	.50 Caliber
Min. Load	50	50
Recommended	90-120	100-130
Max. Load	150	150

7. Use a Winchester Muzzleloading universal bullet starter with the correct sized attachment to start the bullet down the muzzle approximately six inches. Note: For optimum accuracy and maximum hunting performance, PowerBelt brand bullets are the recommended projectile for your Winchester muzzleloader.
8. With your ramrod or range rod, push projectile down on top of propellant. Make sure that you apply continual and firm pressure until you feel the projectile touch the propellant.

Important: Be sure projectile is firmly seated against powder. No air space should exist between powder and projectile.

9. With gun pointed in a safe direction, the safety on, and the bolt in the open position, place a 209 primer (or percussion cap, if so equipped) into the breech plug and close the bolt. THE GUN IS NOW LOADED AND READY TO FIRE.
10. Identify your intended target, release the thumb safety, and squeeze the trigger.
11. After firing, wait at least one minute to reload. This will allow any remaining sparks in the barrel to burn out prior to loading.

SIGHT ADJUSTMENTS

Your Winchester muzzleloader is equipped with premium Fiber Optic sights. Depending on the projectile type and propellant charge used, it may be necessary for the shooter to make some fine adjustments.

ELEVATION ADJUSTMENTS

Adjusting your muzzleloader to shoot higher requires you to raise the rear sight. With the small allen wrench

provided, loosen the tension screw located on the right hand side of the sight. Slide the sight forward with your thumb. Use the index lines to help with your sight adjustment. Make sure to retighten the tension screw before firing, but do not overtighten. Adjusting the sight to make your muzzleloader shoot lower is just the opposite—move the rear sight down.

Remember:
• Move the rear sight up to impact higher.
• Move the rear sight down to impact lower.

WINDAGE ADJUSTMENT

To adjust the rear sight for windage (right or left) adjustment, loosen the windage tension screw, located on the top center of the sight, so that the sight will slide to the left or right. To move the point of impact to the left, move the rear sight to the left.

Remember:
Move the rear sight to the right to impact farther to the right.
Move the rear sight to the left to impact farther to the left.

After each adjustment, remember to retighten the retaining screws.

Winchester Muzzleloading recommends the initial sighting in of your muzzleloader at a relatively close range—25 to 40 yards. Bullet impact should be centered and approximately 2" to 3" high at that distance. With an impact point 2" high at 40 yards, you should be close to zero at 100 yards.

Remember, bullet weight and powder charge will play a factor in the impact of the bullet. Therefore, if you make any changes in projectiles or propellants, be sure to resight the rifle.

SIGHTING A SCOPED RIFLE

Your new Winchester muzzleloader comes drilled and tapped for easy scope installation. Scopes should be mounted according to manufacturer's guidelines. Winchester Muzzleloading offers a premium quality set of steel rings and bases.

ORDERING PARTS

The fastest way to order parts is to visit our web site at WinchesterMuzzleloading.com and download a parts order form. Be sure to include your name, address, and telephone number in addition to the model number, serial number and caliber of your Winchester muzzleloader. If necessary, you may mail in your request. Once received, we will forward an order form and parts breakdown with prices.

Write to:
Parts Department
Winchester Muzzleloading
c/o Blackpowder Products, Inc.
5988 Peachtree Corners East
Norcross, GA 30071

SERVICE OR REPAIR

If your Winchester muzzleloader should ever need repair or service, or if you have other questions about Winchester Muzzleloading, please contact our Customer Service Department:

Customer Service
Winchester Muzzleloading
c/o Blackpowder Products, Inc.
5988 Peachtree Corners East
Norcross, GA 30071
Phone: 1-877-892-7544
Fax: 1-770-242-8546
E-mail: info@WinchesterMuzzleloading.com

WINCHESTERMUZZLELOADING.COM

WinchesterMuzzleloading.com offers a wealth of information for you concerning all aspects of muzzleloading.

- Complete Winchester Muzzleloading product line
- Parts diagrams
- Answers to technical questions
- Hunting articles
- Tips on blackpowder shooting
- Contact information

LIMITED LIFETIME WARRANTY

Winchester Muzzleloading warrants all our finished muzzleloaders to be free of defect in material or workmanship for the lifetime of the firearm, to the original consumer owner. This warranty is established by return of the warranty card within fifteen (15) days of purchase date, and is not transferable.

Any Winchester muzzleloader or part thereof returned postage paid to the address below will be repaired to our commercial standard, or replaced free of charge, and returned to the purchaser postage prepaid.

Warranty does not cover:
- Damage resulting from careless handling or neglect
- Improper loading, corrosion, or customer alteration
- Normal wear of parts, metal or wood finish, or cost of inconvenience

Winchester Muzzleloading reserves the right to refuse to repair or replace parts thereof damaged by the above.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

This warranty is void if:

- Any propellant other than the correct type of blackpowder or blackpowder substitute has been used. See page 10 for an approved list.
- Winchester Muzzleloading recommended powder charges have been exceeded.
- Any attempt has been made to alter bolt, barrel, trigger, or breech plug.
- Owner does not follow recommended guidelines for care and cleaning.

For fastest warranty repair:

Do not return the gun to the dealer. Call Winchester Muzzleloading at 1-877-892-7544. In most cases our service professionals can troubleshoot your problem over the phone and have you back shooting in no time at all.

Address all other inquiries and correspondence to:

Winchester Muzzleloading
c/o Blackpowder Products, Inc.
5988 Peachtree Corners East
Norcross, GA 30071
1-877-892-7544

WINCHESTER®
Licensee
MUZZLELOADING

Name _____ Phone _____
Street _____
City _____ State _____ Zip _____
Store Name _____ Date Purchased _____
Street _____ City _____ State _____ Zip _____
Product _____
Caliber _____ Model # _____ Serial # _____

1. In what type of store was product purchased?
   - ❑ Gun
   - ❑ Sporting
   - ❑ Chain/Department
   - ❑ Hardware
   - ❑ Hobby
   - ❑ Mail Order

2. Why dis you select this product?
   - ❑ Reputation
   - ❑ Recommendation
   - ❑ Special Feature
   - ❑ Impluse Purchase
   - ❑ Price
   - ❑ Advertisement

3. Intended use:
   - ❑ Hunting
   - ❑ Target Shooting
   - ❑ Other

What features do you like about this product? _____

_____

Are there any features you dislike? _____

_____

What improvements would you recommend? _____

_____

Please mail warranty information to:
Winchester Muzzleloading, c/o BPI, 5988 Peachtree Corners East, Norcross, GA 30071